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## ULTRALIGHT® 2 (UL-2)

Owner's Manual

# Approved Copy

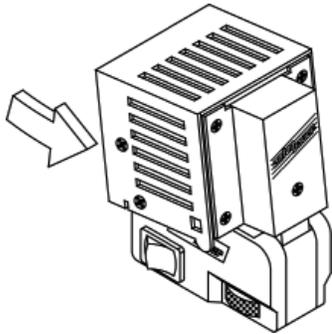
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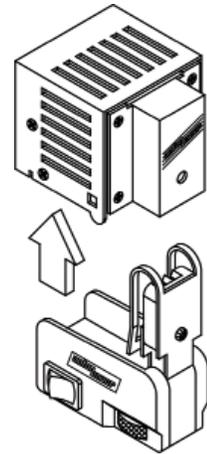
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# Approved Copy TO REMOVE HEAD MODULE

1. Push Head Module forward.

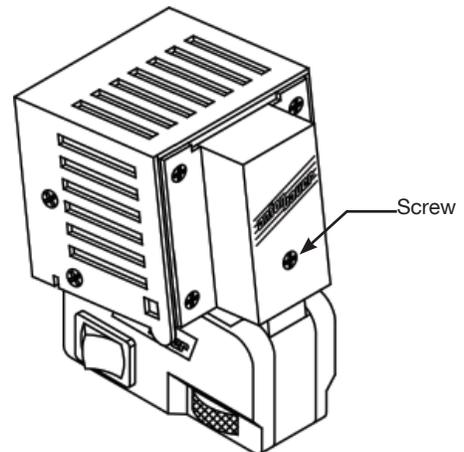
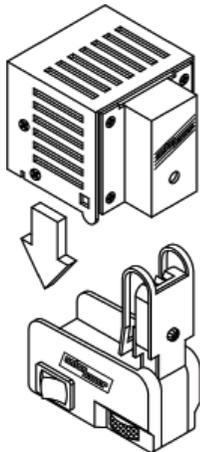


2. Lift Head Module and remove it from the Base.



# TO RE-ATTACH HEAD MODULE

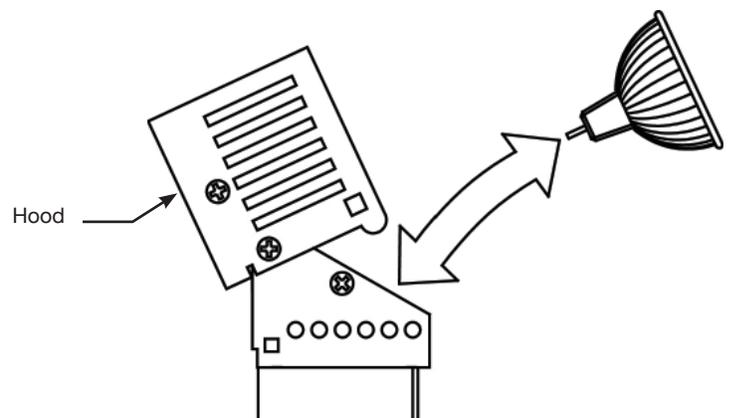
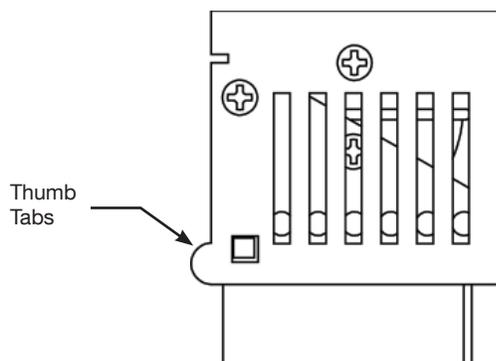
Push Head Module onto base, as shown, until Head Module engages over screw.

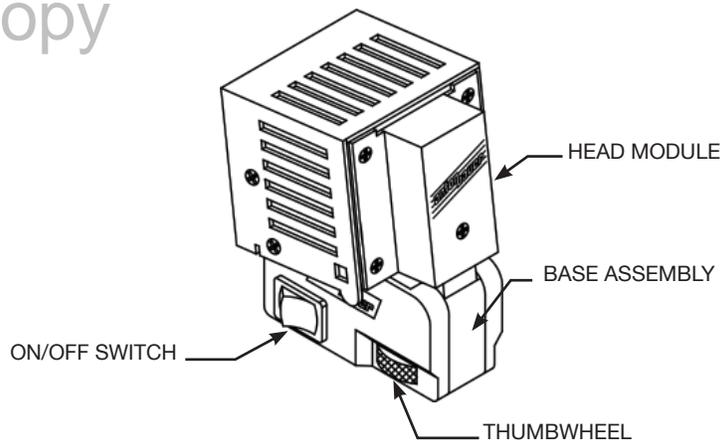


# TO REMOVE / REPLACE BULB

**NOTE: Only MR-16 type bulbs should be used with the UL2.**

1. Pull out on the Thumb Tabs of the Head Module.
2. Swing Hood open.
3. Remove and replace bulb as necessary.
4. Close Head Module, insuring that it "clicks" closed.





## INTRODUCTION

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The Ultralight®2 (UL2) is an extremely compact, super lightweight version of the original Ultralight® system, designed specifically for on-camera lighting applications.

The Ultralight 2 incorporates many unique features including:

- Included with a AB-60, wide angle bulb.
- A diffused glass for smoother beam patterns.
- Quick-change head module feature permits instant field light source changes without direct bulb handling, adjusting to full or spot lighting situations.
- The head module tilts for indirect lighting applications and can be easily fitted with a swing away wide angle adapter (UL-WA), diffuser (UL-DF), or dichroic filter (UL-DC).
- Compact size with the quick-change head module removed the Ultralight 2 is a mere 2¼" x 1½" x 1" and can be left on the camera at all times without interfering with operation, fitting easily into a camera case with little or no modification to the case.
- A patented universal mounting system for ¼-20 stud or shoe type mounting is standard - eliminating the need for special studs or adapters.
- An Integral PowerTap® connector cable comes in lengths to dress neatly on any camera/camcorder-no secondary cables are required to mate to any Gold Mount® camera bracket.

## OPERATING

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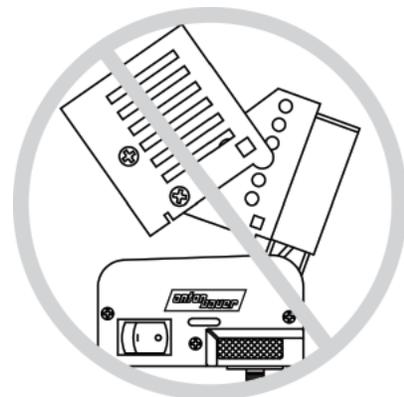
When powering the Ultralight® 2 through the on-board camera battery pack (integral PowerTap® connector cable), the UL2 should be turned off and the battery pack charged as soon as the camera battery warning light comes on in the viewfinder. If the light is left on after this point, the UL2 will continue to drain the battery which can cause permanent damage to the cell pack. Greater caution is required if an external, unmetered battery is used. In this case, suggested bulb run times should be followed closely and the battery should be changed before the light begins to grow noticeably dimmer. During battery operation the light should never be left on when unattended.

To achieve the full versatility and benefits of the Ultralight® 2 system several spare Head Modules should be employed with each light to carry spare bulbs or a variety of bulb voltages, wattages and beam angles. The Head Module is designed to be a compact and rugged storage container allowing extra bulbs to be easily and safely carried in the field. Bulbs can then be quickly switched for different lighting conditions or changes in power source. Carrying spare bulbs in fragile cardboard packages defeats one of the main features of the Ultralight® 2.

## IMPORTANT

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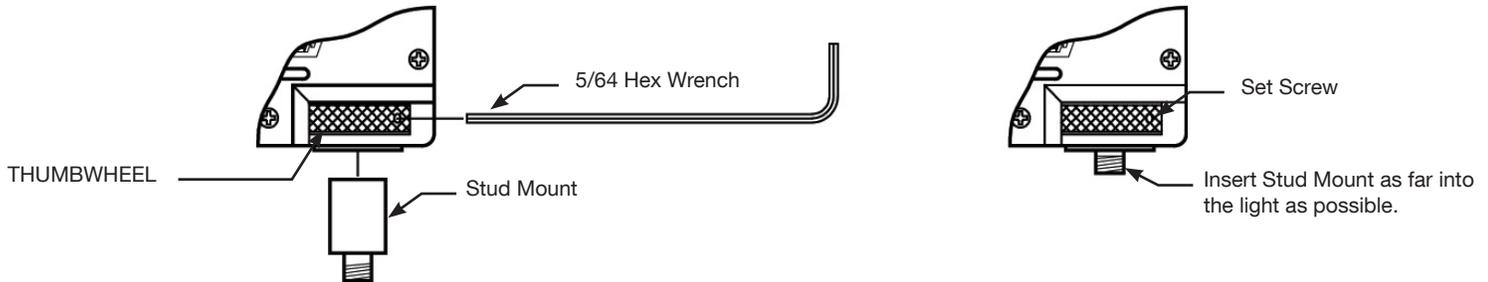
**HEAD MODULE MUST BE REMOVED FROM THE BASE PRIOR TO CHANGING A BULB. NEVER ATTEMPT TO REMOVE A BULB WHILE THE HEAD MODULE IS ATTACHED TO THE BASE.**



# 1/4-20 STUD MOUNT APPLICATION

The Ultralight® 2 is shipped standard with 1/4-20 Stud Mount for attaching to the camera handle. To remove/install a 1/4-20 Stud Mount, follow these instructions.

1. With the supplied 5/64 hex wrench, loosen the set screw located in the thumbwheel.
2. Install a 1/4-20 Stud Mount into the bottom of the thumbwheel. (Insert stud as far into light as possible).
3. Tighten the set screw in the thumbwheel.



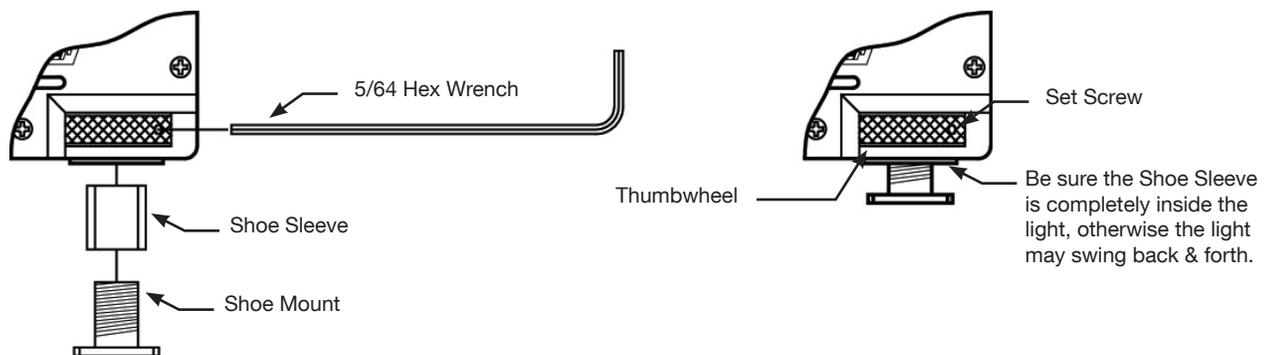
**NOTE:** In order for the 1/4-20 Stud Mount to completely tighten down on the camera, the Stud Mount must be fully inserted into the thumbwheel. Otherwise, the UL2 may swing back and forth.

## SHOE MOUNT APPLICATION

Certain lighting applications need a “Shoe Mount” to secure the light to the camera. Most JVC and PANASONIC cameras will use this Shoe Mount.

For installation of Shoe Mount:

1. Remove existing Stud Mount from the Ultralight 2 base. (See previous page)
2. Insert Shoe Sleeve into thumbwheel, pushing it as far into the thumbwheel as possible.
3. Using 5/64 Hex Wrench, tighten down the Shoe Sleeve.
4. Screw Shoe Mount into Shoe Sleeve about half way.
5. Slide the Shoe Mount onto the camera handle and then tighten down via the thumbwheel.

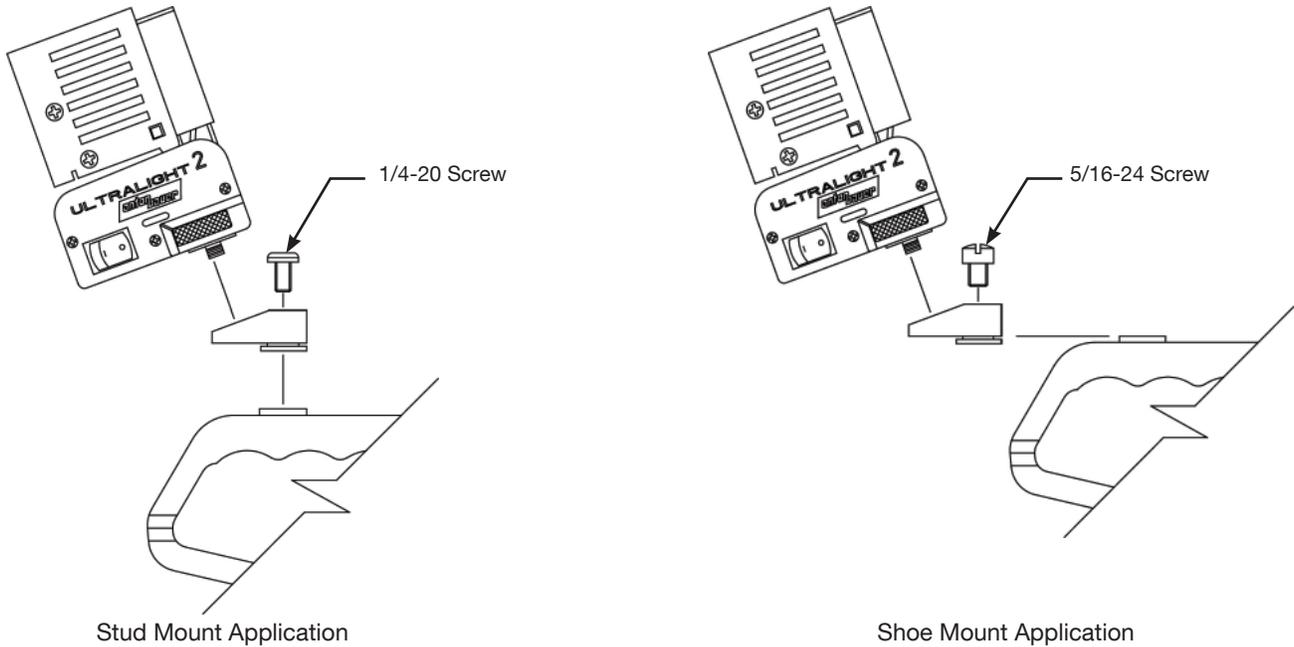


**NOTE:** In order for the Shoe Mount to completely tighten down on the camera, the Shoe Sleeve must be inserted as far into the thumbwheel as possible. Otherwise, the light may swing back and forth.

## UL2 WEDGE

The UL2 Wedge is developed specifically for use with the Anton/Bauer® Ultralight® 2 on-camera light. The UL2 Wedge provides the Ultralight® 2 with an additional 20° of down angle lighting for shooting extreme close up camera shots (less than 3 feet).

A Universal mounting design allows quick adaptation to cameras using either ¼-20 Stud Mount or Shoe typing lighting mounts.



### UL2 WEDGE STUD MOUNT APPLICATION

1. Position the base of the UL2 wedge directly over the camera's ¼-20 Stud Mount.
2. Fasten the UL2 wedge to the camera mount using the supplied ¼-20 Phillips screw. (Do Not Overtighten)
3. Attach the Ultralight® 2 to the UL2 wedge by threading the UL2's ¼-20 stud directly into the mating hole on the ramp of the UL2 wedge.

### UL2 WEDGE SHOE MOUNT APPLICATION

4. Slide the base of the UL2 wedge into the camera Shoe Mount. (Insert at the front of camera - towards the lens.)
5. Fasten the UL2 wedge to the camera shoe using the supplied 5/16-24 slotted screw. (Do Not Overtighten as this will cause damage to the camera mount)
6. Attach the Ultralight® 2 to the UL2 wedge by threading the UL2's ¼-20 stud directly into the mating hole on the ramp of the UL2 wedge.

## XL-WEDGE

Same as the UL2-Wedge except that it is 3 inches longer. Should be used to clear Shotgun Mics and Wide Angle Lens. Will also allow the UL2 to clear the shoulder strap without interference.

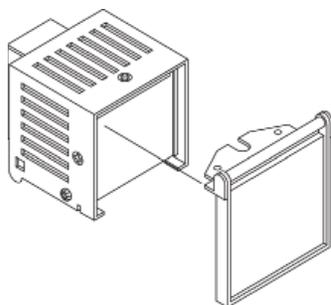
## FILTERS

Adapter accessories are detachable pivoting filter/lenses allowing the user to flip the adapter in and out of the beam pattern. Adapters (Diffuser, Wide Angle, Dichroic) are mounted in a holder, pivoted from a slotted tab. The adapter assembly is attached to the Head Module by sliding the slotted tab into the space between the light head safety glass holder and the hood.

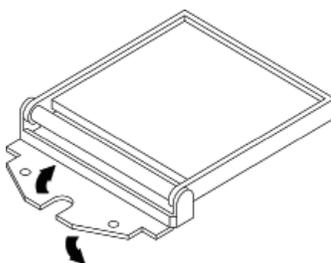
**UL-WA. Ultralight® Wide Angle Adapter:** Converts both spot bulbs and medium flood bulbs into full flood (36°) patterns. A very efficient optical device that provides an exceptionally smooth and even pattern and will cover the widest angle zoom lenses. The UL-WA filter can also be used with flood bulbs to smooth out uneven bulb patterns.

**UL-DF. Ultralight® #1 Diffuser:** For use with spot bulbs. Lowers light output by approximately one "f" stop (50%) while softening the edges of the beam pattern and increasing beam diameter approximately 50%.

**UL-DC, Ultralight® Dichroic Filter:** Converts output of bulbs to match 5600°K daylight. The UL-DC filter must be used when using the Ultralight® for daylight fill or cool white fluorescent fill



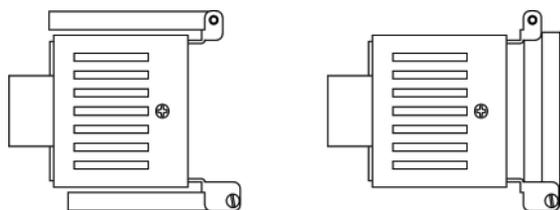
When properly fitted, the slot in the tab will align with a screw in the center of the hood. The tab insertion requires a slight force. **If the filter assembly is too loose and does not stay in place, bend each side of the tab in opposite directions as shown to provide sufficient holding friction.** The friction on the filter pivot may be increased by tightening the pivot screw which extends the length of the filter assembly.



### MOUNTING A FILTER

Adapters may be attached to the top of the Head Module or to either side and folded back against the Head Module when not in use. Two adapters may be simultaneously attached to the lighthead (one on either side). A UL-DC can be used in combination with either a UL-WA or a UL-DF simultaneously.

When trying to accommodate two filters at the same time, it may be necessary to obtain a new hinge for the filter, which will allow two to be used simultaneously. The part number for this hinge is #5140-1051. Please contact the Anton/Bauer Customer Service Department for more details at (800) 541-1667, (203) 925-4991, or support@antonbauer.com.

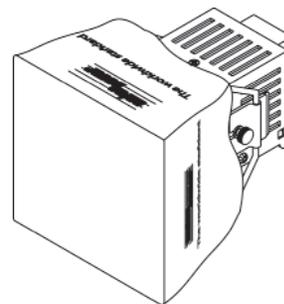


### PERMANENTLY MOUNTING A FILTER

First remove the screw and washer (between the hood and glass frame) from any one of the Head Module's three sides. Install the filter as described before. Reinsert the screw and tighten fully. The washer will no longer be necessary.

### UL-SOFT BOX

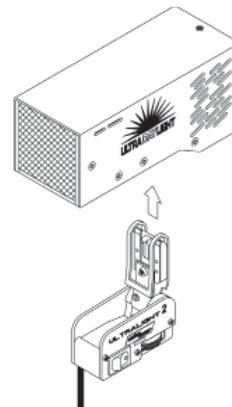
The UL-Soft Box mounts easily to any Ultralight® Head Module to soften and diffuse light output. The UL-Soft Box is collapsible allowing easy storage or can fold and swing away while remaining on the Ultralight® until needed.



### ULTRADAYLIGHT

The UltraDaylight® Head Module fits any Ultralight® base to instantly deliver 5600°k at less than half the power required of tungsten/halogen – without the need for dichroic adapters. Uniquely designed to share power from camera battery using the PowerTap® on every camera Gold Mount®.

Instantly change from daylight to tungsten and back by simply swapping head modules – no twisting, turning, or handling bulbs. And since the rugged Ultralight® Head Module house and protect the bulbs, they can be stored in the head module until the next use. The UltraDaylight® head module is a unit – 25 watt bulb and ballast all in one.



### ULTRALIGHT DIMMER

This new Ultralight® accessory allows the adjustment of light output from 0-100%. It's microprocessor controlled PWM (Pulse-Width Modulation) circuit minimizes power loss and is designed to be used with any Ultralight® in the field. With the push of a button, a low and high output setting can be pre-programmed anywhere between 0-100%. With this feature, quick and exact light settings can be established before the shot, allowing for quick light transitions without fumbling or the need to "dial-it-in". Fitting underneath the light, its innovative bevel design provides for additional down angle of the light while moving the light forward to avoid lens shadows. The UL Dimmer is fully compatible with Automatique feature standard in most Gold Mounts® and has an auto shut off in the case of a low voltage battery. Note: The UL Dimmer is not for use with the UltraDay® Light Head.



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## BULB SELECTION AND OPERATION

Bulbs used by the Ultralight® 2 are Type MR16, tungsten-halogen bulbs. Spot or flood bulbs of any light distribution angle may be used.

The Ultralight® 2 offers the greatest versatility with the following low voltage bulbs. They can be powered from any 12-14.4 volt camera battery with the Ultralight® 2 integral PowerTap® connector cable.

Triple Purpose Low Voltage Bulb - The ESX, EYR and EYF bulbs provide three beam/output options:

1. Spot (15°) - plain bulb.
2. Medium Spot (approximates 21°) - with Diffuser (UL-DF).
3. Flood (36°) - with Wide Angle adapter (UL-WA) which covers most zoom lenses in the extreme wide position.

Dual Purpose Low Voltage Bulb - The EXZ bulb provides two beam/output and is a good all around bulb:

1. Medium Flood (24°) - plain bulb.
2. Full Flood (36°) - with Wide Angle Adapter (UL-WA).

Single Purpose Low Voltage Flood Only bulbs. The BAB, EYP, and EYC bulbs provide full flood (36°) - plain bulb.

Purpose/Type	Bulb Code	Watts	Spot	Med	Flood	Amps	RunTime w/4 AH Battery
Triple Purpose: Spot/Med Spot Flood	ESX EYR EYF	25 50 75	200 400 700	85* 170* 300*	30** 60** 120**	1-2/3 3-3/4 6-1/4	120 min 60 min 35 min
Dual Purpose: Med Flood/Flood	EXZ	60	-----	175	70	4-1/2	45 min
Single Purpose: Flood Only	BAB EYP EYC/FPB	25 50 75/85	----- ----- -----	----- ----- -----	35 65 125	1-1/3 3-3/4 6-1/4	120 min 60 min 35 min

**NOTE: All above data measured at 14 volts. \* with a Diffuser (UL-DF) \*\* with a Wide Angle Adapter (UL-WA)**

**SPECIAL NOTE: Extensive field testing indicates that the ESX bulb, despite its minimal 25 watts, when used with the UL-WA Wide Angle Adapter, or the plain BAB bulb, provides the most pleasing lighting condition for most indoor interviews in the typical 3 ft. to 6 ft. range**

## SPECIFICATION

<b>LAMPS</b>	Type MR-16 12-14 Volts, 25-85 Watts. Higher wattage bulbs are not recommended due to excessive heat generated by these bulbs.
<b>WEIGHT</b>	Base unit with bulb: 12 oz.
<b>SIZE</b>	Light Head Module: 2¼"W x 2¼"H x 2¾" DP Base Unit w/Head Module: 2¼"W x 4¼"H x 3¾"DP

## SERVICE

If you have any question about this or any Anton/Bauer product, please contact our Customer Support Department at 1-800-541-1667 (USA Only) or 203- 925-4991.

# Approved Copy LIMITED WARRANTY

This one (1) year limited warranty for the product specified in this document ("Product") is given by Anton/Bauer, Inc. ("Anton/Bauer"), 14 Progress Drive, Shelton, Connecticut 06484. If you (the purchaser of the Product from Anton/Bauer, or the person for whom the Product was purchased, if it was a gift) have any questions regarding Product applications, Product specification, or to obtain warranty service on this or any Anton/Bauer product, contact the company at the address above.

THIS PRODUCT MUST BE REGISTERED WITH ANTON/BAUER WITHIN 30 DAYS OF PURCHASE TO ASSURE WARRANTY COVERAGE. TO REGISTER YOU MAY EITHER:

1. MAIL WARRANTY REGISTRATION CARD or
2. REGISTER ON LINE AT [www.antonbauer.com](http://www.antonbauer.com)

The liability of Anton/Bauer hereunder is expressly limited to a claim for repair or replacement of the Product or as otherwise stated herein at Anton/Bauer's sole discretion. Notice of any claim under this warranty shall be delivered to Anton/Bauer during the period of the warranty and the Product shall be returned with its packaging promptly, at your expense, to an Anton/Bauer Customer Support Center or to the address above. Upon receipt of the Product and a record of your compliance with the conditions of this warranty, Anton/Bauer will repair or replace the Product and return it to you, or issue a credit, as applicable. You are responsible for all shipping and handling charges to and from authorized facility.

THIS WARRANTY DOES NOT APPLY TO AND IS VOID IN THE CASE OF DEFECTS OR DAMAGE RESULTING FROM ACCIDENTS, DISASTER, NEGLIGENCE, MISUSE, IMPROPER INSTALLATION, IMPROPER OR UNAUTHORIZED SERVICE OR MAINTENANCE, UNAUTHORIZED REPLACEMENT PARTS OR ATTACHMENTS; OR DYSFUNCTION OR MALFUNCTION OF, OR CAUSED BY, ANY OTHER PRODUCT OR DEVICE. **Misuse includes any use of the Product in other than its intended application, including the use of this Product with any charging device or accessory not manufactured by and/or specified by Anton/Bauer. This warranty does not cover, and Anton/Bauer assumes no responsibility for, any equipment or devices used in conjunction with the Product.**

ANTON/BAUER DISCLAIMS ANY LIABILITY FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY WRITTEN OR IMPLIED WARRANTY OF THE PRODUCT. UNDER NO CIRCUMSTANCES WILL ANTON/BAUER BE RESPONSIBLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES.

This Warranty is to be construed and enforced in accordance with the law of the State of Connecticut, including the provisions of the Uniform Commercial Code as adopted and from time to time amended in the State of Connecticut, and not the Convention for the International Sale of Goods. This choice of Connecticut law is exclusive of any Connecticut law that would require reliance on any law foreign to Connecticut. Should any action of law or in equity be brought by any person under this Warranty, such action shall be brought only in the United States District Court for the District of Connecticut, or in any

Superior Court in Fairfield County, Connecticut, USA. Some states do not allow limitations on how long a warranty lasts, so the time period limitation herein may not apply to you. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights and you may have other legal rights which may vary from state to state.

Use of unauthorized equipment in conjunction with Anton/Bauer products constitutes misuse under our warranties and may limit or void those warranties. Anton/Bauer does not authorize, condone, recommend, or otherwise assume any liability or responsibility resulting from the use of any battery, charger, or accessory made by Anton/Bauer with any battery, charger or accessory not manufactured, produced or sold by Anton/Bauer. Anton/Bauer only authorizes the use of original Anton/Bauer products with this Product. Use only original Anton/Bauer equipment with this Product.



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